

LENGTH AND SPACING TABLE							
APPROACH SPEED		** MINIMUM TAPER LENGTH IN METERS	LENGTH OF BUFFER SPACE IN METERS	CHANNELIZING DEVICE SPACING			CONCRETE BARRIER FLARE RATE
				** TAPER AREA	BUFFER SPACE	WORK SPACE	
*MILES PER HOUR	*KILOMETERS PER HOUR			SPACING IN METERS			
25	40		Shifting taper formula:	50	8	15	15
30	50	$L = \frac{WS^2}{310}$ for speeds of 65 km/h or less	65	9	18	18	1:8
35	55	$L = \frac{W \times S}{3.2}$ for speeds of 70 km/h or greater	75	10	21	21	1:9
40	65	Where:	95	12	24	24	1:10
45	70	L= Minimum length of taper	105	14	27	27	1:12
		W= Width of offset in meters					
50	80	S= Numerical value of posted speed	130	15	30	30	1:14
		limit or 85 percentile speed prior to					
55	90	work in kilometers per hour	160	16	30	30	1:16

\* Speed is based on the regulatory posted speed and not the advisory speed.  
\*\* Lengthen taper as needed to provide minimum of three channelizing devices in taper at required spacing.

SIGN SPACING TABLE			
ROAD TYPE	DISTANCE BETWEEN SIGNS IN METERS		
	A	B	C
Urban 65 km/hr or less ( $\leq 45$ mph)	30	30	30
Urban 70km/hr or greater ( $>45$ mph)	100	100	100
Rural	150	150	150
Expressway/Freeway	300	450	800

- NOTE:
- Signs are shown for one direction of travel only. Place devices similar to those depicted for the opposite direction of travel.
  - Final location and spacing of signs and devices may be changed to fit field conditions as approved by the CO.
  - Place the barrier according to the Roadside Design Guide by the American Association of State Highway and Transportation Officials (AASHTO). Terminate barrier ends outside the clear zone or protect the ends of the barrier with a crash cushion.
  - Refer to Special Contract Requirements, Section 156, for minimum width.
  - Install temporary pavement markings if roadway surface is paved. Remove conflicting pavement markings.
  - If closure is completely within the project limits, eliminate the 'END ROAD WORK' sign (G20-2).
  - Install 'PASS WITH CARE' signs (R4-2) at ends of no-passing zones if directed by CO.
  - Omit the W14-3 sign if already within a no-passing zone.
  - Do not allow equipment, materials, or vehicles to be parked or stored in the buffer space.
  - Reduce or eliminate drums and barrier in downstream taper if necessary to provide access to work space.
  - If signs will be in place more than 72 hours consecutive hours, use ground-mounted post as shown on M635-1.
  - Dimensions not labeled are in millimeters.

